

ABSTRACT

The invention relates to a data-recording device comprising conductive microtips and to the production method thereof. According to the invention, the microtip comprises one end which is intended to be brought into electrical contact with a recording medium. Moreover, the microtip comprises a longitudinal conducting core having an essentially constant cross-section. In addition, the microtip is surrounded by a sheath of non-conducting material, such that the free ends of the core and the sheath are level at the end of the microtip. The cross-section of the sheath can diminish towards the end of the microtip, e.g. such as to form a truncated-cone-shaped part. The core can comprise a carbon nanotube. Furthermore, a multitude of microtips can be disposed in the form of a network, the ends thereof generating an essentially-flat common surface. The inventive method comprises an abrasion step.